

Fig. 1

Inventors: Daniel J. Woodruff et al. Docket No.: 29195-8221US1 Title: END-EFFECTORS AND TRANSFER DEVICES FOR HANDLING

MICROELECTRONIC WORKPIECES

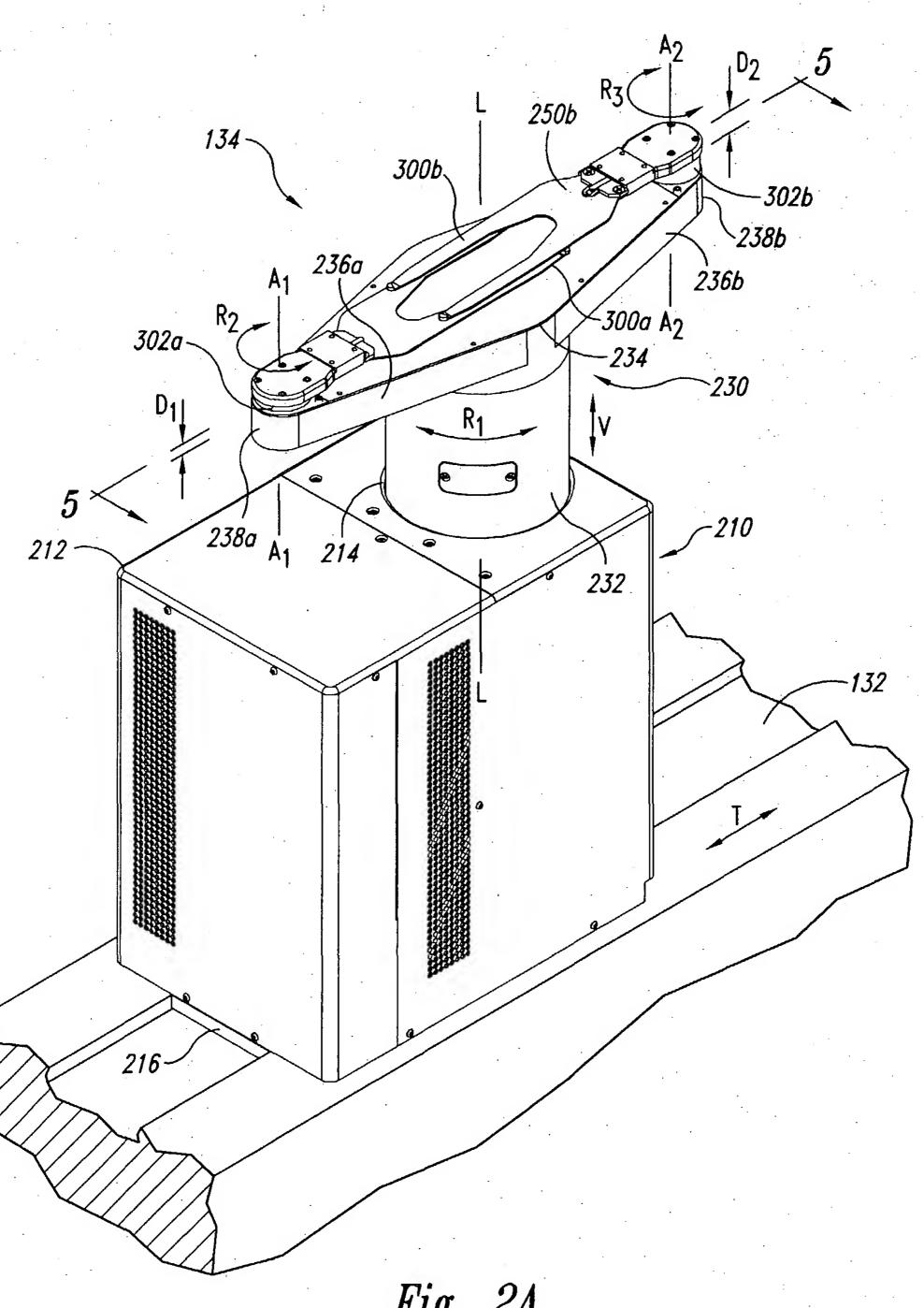
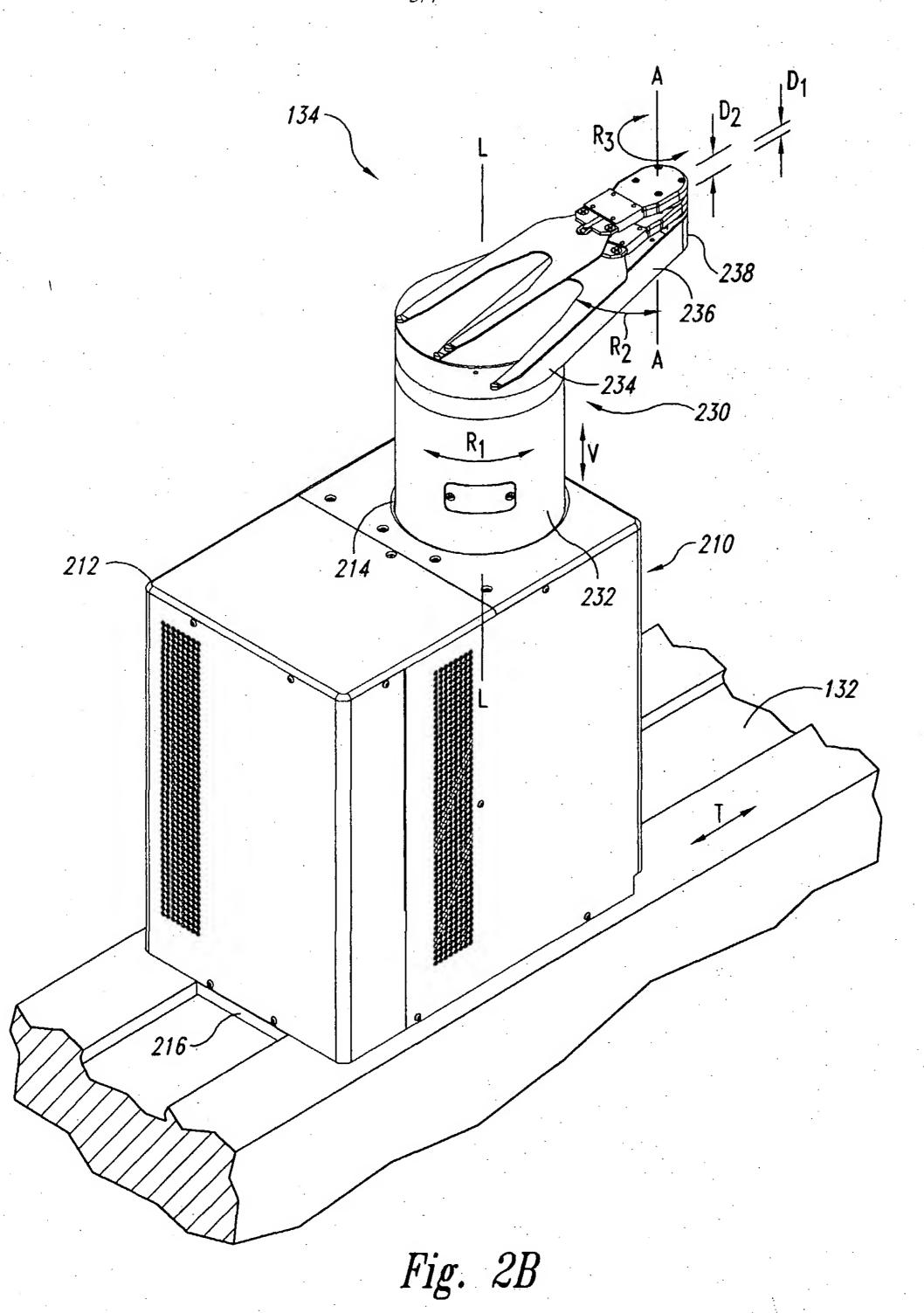
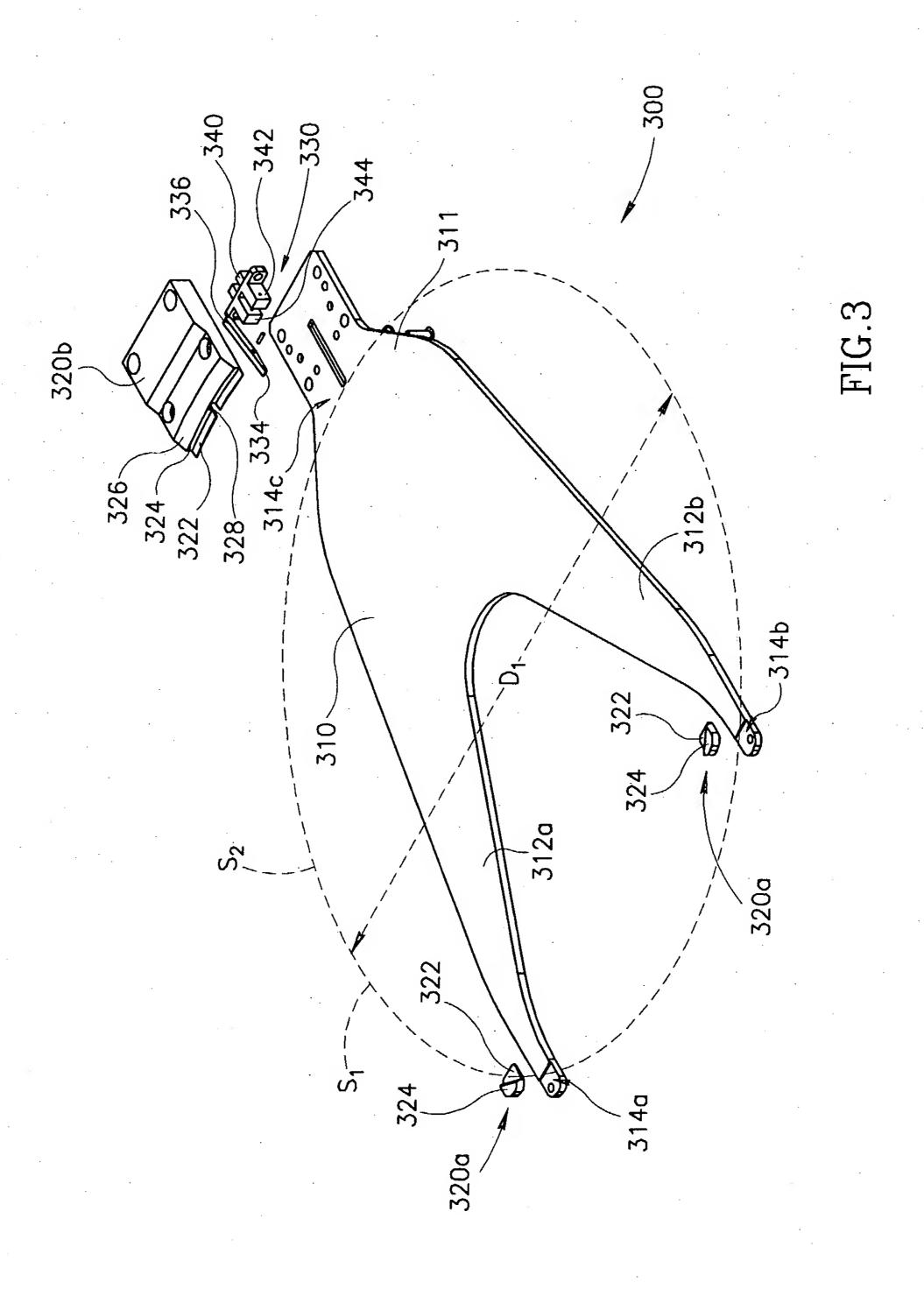


Fig. 2A

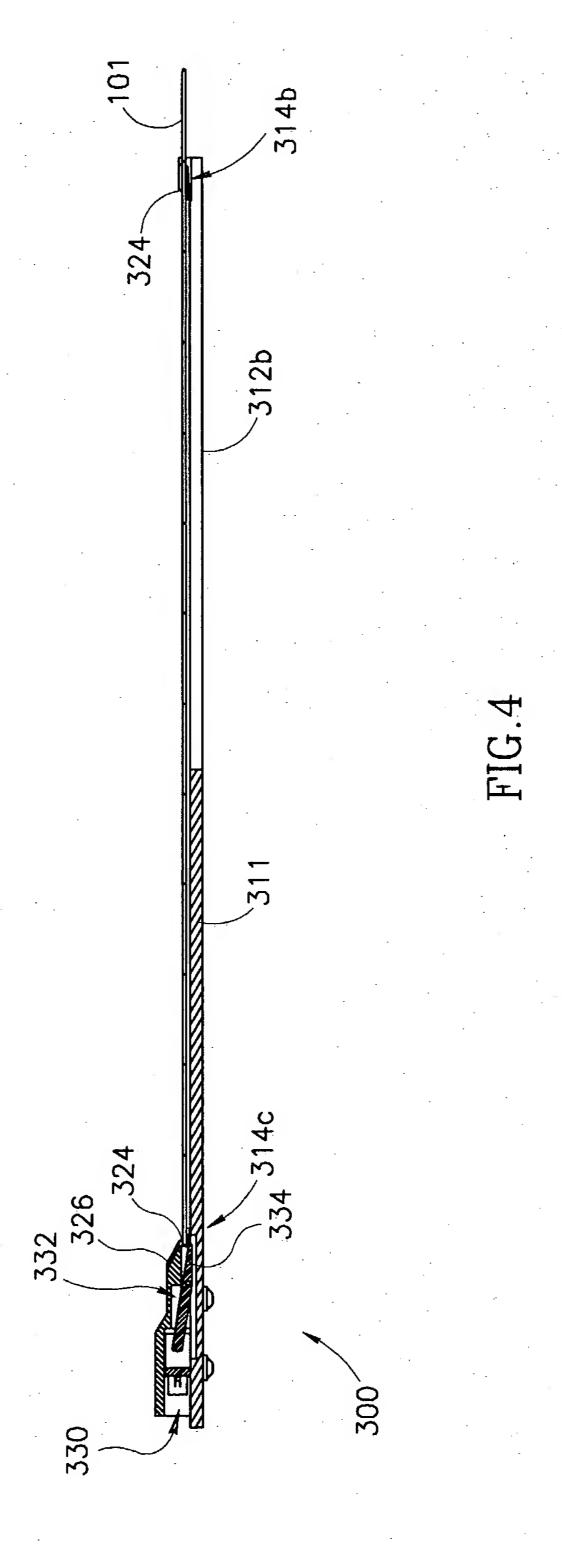




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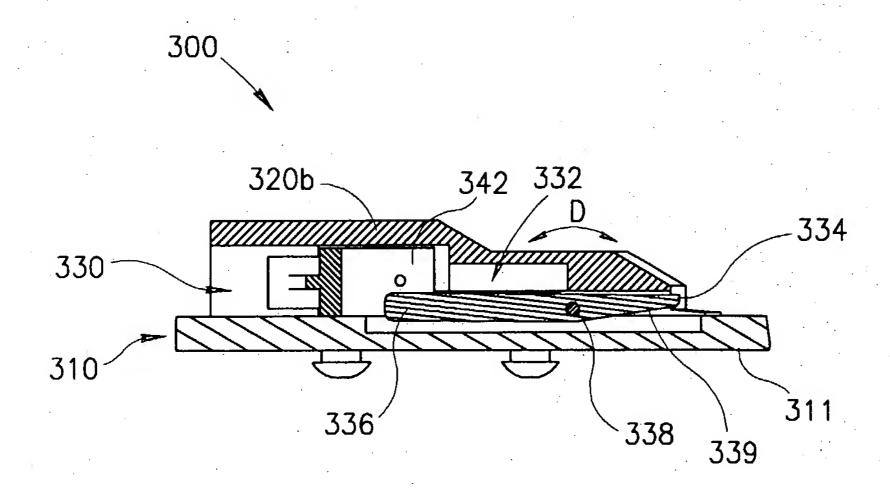


FIG.5A

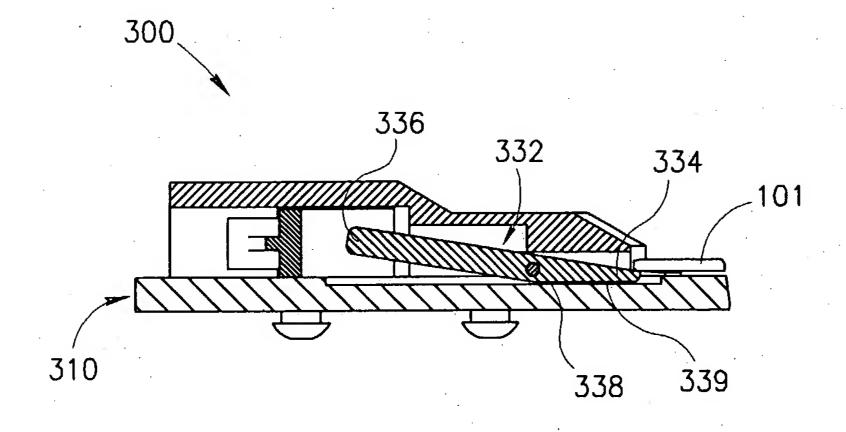


FIG.5B

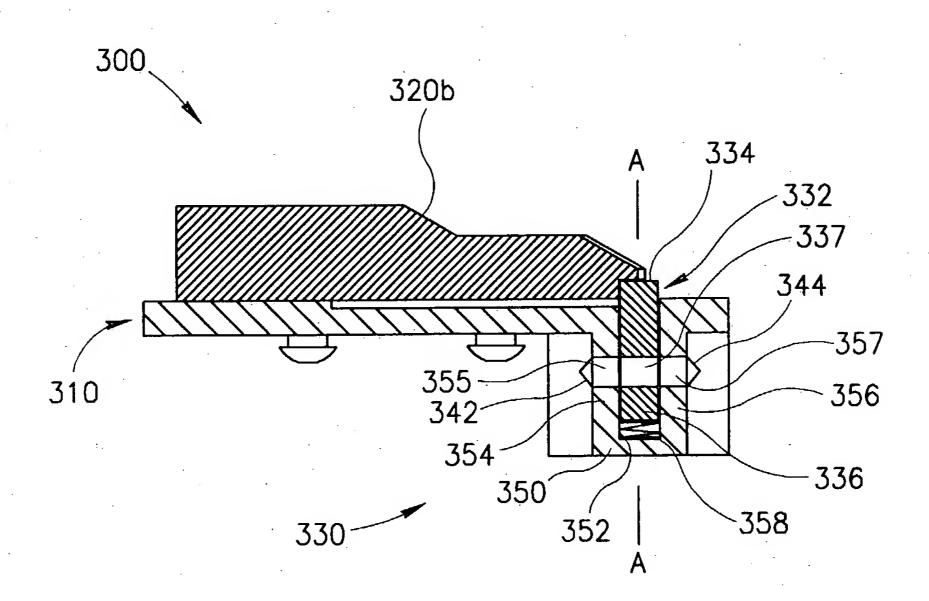


FIG.6